

What is claimed is:

1. A container structure for a fuel cell, comprising:

a fuel cell container;

a separate plate having a plurality of orifices;

5 an exhaust pipe discharging gas in the fuel cell container; and

a compressed air pipe sending a compressed air into the fuel cell container,

10 wherein the inside of the fuel cell container is divided into an exhaust manifold unit and a cell housing unit housing the fuel cell by the separate plate,

the exhaust pipe is attached to connect an exhaust port provided on the exhaust manifold unit and an exhaust outlet provided on a surface of a vehicle, and an air pressure in 15 the exhaust manifold unit is set at an atmospheric pressure, and

the compressed air pipe is attached onto the cell housing unit, and an air pressure in the cell housing unit is set equal to or smaller than a fuel cell gas pressure and equal to or 20 larger than the atmospheric pressure.

2. A container structure for a fuel cell, comprising:

a fuel cell container;

a separate plate having a plurality of orifices; and

25 an exhaust pipe discharging gas in the fuel cell container,

wherein the inside of the fuel cell container is divided into an exhaust manifold unit and a cell housing unit housing the fuel cell by the separate plate,

the exhaust pipe is attached to connect an exhaust port
5 provided on the exhaust manifold unit and an exhaust outlet provided on a surface of a vehicle, and

an exhaust fan is provided in any one of the insides of the exhaust pipe and the exhaust manifold unit.

- 10 3. A container structure for a fuel cell, comprising:
a fuel cell container;
an exhaust pipe discharging gas in the fuel cell container;
a pipe making the fuel cell container and the exhaust
15 pipe communicate with each other through an orifice; and
a compressed air pipe sending a compressed air into the fuel cell container,

wherein the orifice and the pipe are provided above the fuel cell container,

- 20 an air pressure in the pipe is set at an atmospheric pressure by connecting the pipe to the exhaust pipe connected to an exhaust outlet provided on a surface of a vehicle, and
the compressed air pipe is attached onto the fuel cell container, and an air pressure in the fuel cell container is
25 set equal to or smaller than a fuel cell gas pressure and equal to or larger than the atmospheric pressure.

4. A container structure for a fuel cell according to claim
1,
wherein the exhaust manifold unit is provided on a corner
5 of an upper portion of the fuel cell container.

5. A container structure for a fuel cell according to claim
1,
wherein the compressed air pipe is attached onto a side
10 face of the cell housing unit.

6. A container structure for a fuel cell according to claim
1,
wherein the exhaust outlet is provided on a side face
15 of the vehicle.

7. A container structure for a fuel cell according to claim
1,
wherein the exhaust pipe is bent at least at one spot
20 on the way to the exhaust outlet.

8. A container structure for a fuel cell according to claim
1,
wherein the exhaust port is provided above the exhaust
25 manifold unit.

9. A container structure for a fuel cell according to claim
1,

wherein diameter of the orifices close to the exhaust
port is set small, and diameter of the orifices distant from
5 the exhaust port is set large.

10. A container structure for a fuel cell according to claim
1,

wherein the fuel cell container is configured to be
10 divided into an upper lid portion and a container portion.

11. A container structure for a fuel cell according to claim
1,

wherein the fuel cell container is configured to be
15 divided into an upper lid portion and a container portion,
and

the separate plate is sandwiched and fixed between the
upper lid portion and the container portion.

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